

シラバス

ナンバリングコード/科目番号	0ATHA17 / 01EQ412	
科目名	システマティックレビュー・メタアナリシス入門	
科目名 (英語)	Systematic reviews and Introduction to Meta-analysis	
授業形態	講義 (オンライン (双方向型) + 対面)	
標準履修年次	1・2年次	
実施学期・曜時限等	秋 AB・月曜 2・3 限	
使用教室	4F305	
単位数	2	
担当教員名	Togoobaatar Ganchimeg	
使用言語 (☑してください)	<input type="checkbox"/> 日本語 ・ <input checked="" type="checkbox"/> 英語 ・ <input type="checkbox"/> バイリンガル	
ティーチングフェロー(TF)・ ティーチングアシスタント (TA)	なし	
オフィスアワー等	随時 (要予約) ganchimeg-t@md.tsukuba.ac.jp	
学位プログラム・コンピテン スとの関係	汎用	知の活用力
	専門	疫学・生物統計学の応用能力
授業の到達目標 (学修成果)	By the end of the course, students will be able to understand: formulation of the review question, searching of literature, quality assessment of studies, data extraction, meta-analytic methods, assessment of heterogeneity and report writing.	
他の授業科目との関連	0ATHA16 量的研究の批判的評価法	
履修条件	なし	
授業概要	Systematic reviews and meta-analyses are useful for decision-making as well as evidence-based clinical and public health practice. This course will provide a detailed description of the systematic review process, discuss the strengths and limitations of the method, and provide step-by-step guidance on how to perform a systematic review and meta-analysis. RevMan statistical software will be used to perform meta-analysis during the computer lab, along with tutorials on how to effectively use tools such as PubMed for conducting reviews.	
キーワード	Systematic review, literature review, meta-analysis, Cochrane library, health science	
授業計画	<ol style="list-style-type: none"> 1. Oct 5, 2-3rd period Introduction: overview of systematic reviews 2. Oct 12, 2-3rd period Defining the research question 	

	<ol style="list-style-type: none"> 3. Oct 19, 2-3rd period Developing a systematic review protocol, RevMan software 4. Oct 26, 2-3rd period Literature search techniques and strategy 5. Nov 2, 2-3rd period Selection and screening of studies 6. Nov 9, 2-3rd period Evaluating the quality of studies 7. Nov 16, 2-3rd period Data extraction and synthesis 8. Nov 20, 1-2nd period Introduction to meta-analysis 9. Nov 30, 2-3rd period Interpreting the evidence 10. Dec 7, 2-3rd period Presenting results
学修時間の割り当て及び授業外における学修方法	Coursework assignments have to be done before/after the class, as instructed.
単位取得要件	More than 70% attendance is required to earn the credit.
成績評価方法	<p>Participation (60%): Active contribution to discussion, sharing ideas and insights, is critical to the success of project-centered methods training.</p> <p>Coursework assignments (20%): Homework assignments include interaction/responses to classmates taken from topics covered in class</p> <p>Research project presentation (20%): The complete project is presented with scholarly flair</p>
教材・参考文献・配付資料等	<ol style="list-style-type: none"> 1. Cochrane Handbook for Systematic Reviews of Interventions 5.1.1. Available online at: http://handbook.cochrane.org/ 2. Boland A, Cherry G.M and Dickson R. Doing a systematic review: A student's guide (2014). 3. Introduction to Evidence based Public Health. Available online at: http://ebph.ihrp.uic.edu/
その他（受講生にのぞむことや受講上の注意点等）	Please contact the course coordinator (ganchimeg-t@md.tsukuba.ac.jp) upon registration for further information on how to take this course.